

LEFT

FORM MUST BE TYPED

ORIGINAL

SIDE ONE

STATE CORPORATION COMMISSION OF KANSAS
OIL & GAS CONSERVATION DIVISION
WELL COMPLETION FORM
ACD-1 WELL HISTORY
DESCRIPTION OF WELL AND LEASE

Operator: License # 31100

Name: Robuck Petroleum Company

Address 1801 Broadway Suite 750

City/State/Zip Denver, CO 80202

Purchaser: _____

Operator Contact Person: Brett D. Robuck

Phone (303) 295-6377

Contractor: Name: Murfin Drilling

License: 30606

Wellsite Geologist: Ron Nelson

Designate Type of Completion
 New Well Re-Entry Workover

Oil SWD SLOW Temp. Abd.
 Gas ENHR SIGW
 Dry Other (Core, WSW, Expl., Cathodic, etc)

If Workover:

Operator: _____

Well Name: _____

Comp. Date _____ Old Total Depth _____

Deepening Re-perf. Conv. to Inj/SWD
 Plug Back PBDT
 Commingled Docket No. _____
 Dual Completion Docket No. _____
 Other (SWD or Inj?) Docket No. _____

3-21-98 3-26-98 3-26-98
Spud Date Date Reached TD Completion Date

API NO. 15- 039-209070000

County Decatur plugged 3/26/98
110' E of E 1/2 - NW - SW Sec. 11 Twp. 2S Rge. 27 X W

1980' Feet from S/N (circle one) Line of Section

1100' Feet from E/W (circle one) Line of Section

Footages Calculated from Nearest Outside Section Corner:
NE, SE, NW or (SW) (circle one)

Lease Name Bailey Well # 1-11

Field Name Wildcat

Producing Formation LKC Target --(Dry Hole)

Elevation: Ground 2653' KB 2658'

Total Depth 3740 PBDT D&A

Amount of Surface Pipe Set and Cemented at 257' 263' Feet

Multiple Stage Cementing Collar Used? Yes No

If yes, show depth set _____ Feet

If Alternate II completion, cement circulated from _____

feet depth to _____ w/ _____ sx cmt.

Drilling Fluid Management Plan D&A 7-31-98 vs.
(Data must be collected from the Reserve Pit)

Chloride content 1400 ppm Fluid volume n/a bbls

Dewatering method used _____

Location of fluid disposal if hauled offsite: _____

Operator Name _____

Lease Name _____ License No. _____

_____ Quarter Sec. _____ Twp. _____ S. Rng. _____ E/W

County _____ Docket No. _____

INSTRUCTIONS: An original and two copies of this form shall be filed with the Kansas Corporation Commission, 130 S. Market - Room 2078, Wichita, Kansas 67202, within 120 days of the spud date, recompletion, workover or conversion of a well. Rule 82-3-130, 82-3-106 and 82-3-107 apply. Information on side two of this form will be held confidential for a period of 12 months if requested in writing and submitted with the form (see rule 82-3-107 for confidentiality in excess of 12 months). One copy of all wireline logs and geologist well report shall be attached with this form. ALL CEMENTING TICKETS MUST BE ATTACHED. Submit CP-4 form with all plugged wells. Submit CP-111 form with all temporarily abandoned wells.

All requirements of the statutes, rules and regulations promulgated to regulate the oil and gas industry have been fully complied with and the statements herein are complete and correct to the best of my knowledge.

Signature _____

Title Owner Michael Date 7-24-98

Subscribed and sworn to before me this 25th day of July, 19 98

Notary Public Michael Kutzmiller

Date Commission Expires March 24, 2002

K.C.C. OFFICE USE ONLY		
F	<input type="checkbox"/>	Letter of Confidentiality Attached
C	<input checked="" type="checkbox"/>	Wireline Log Received
C	<input checked="" type="checkbox"/>	Geologist Report Received
Distribution		
<input checked="" type="checkbox"/>	KCC	<input type="checkbox"/> SWD/Rep <input type="checkbox"/> NGPA
<input type="checkbox"/>	KGS	<input type="checkbox"/> Plug <input type="checkbox"/> Other (Specify)

82-68-6

Operator Name Robuck Petroleum Company Lease Name Bailey Well # 1-11

Sec. 11 Twp. 2S Rge. 27W East West
 County Decatur

INSTRUCTIONS: Show important tops and base of formations penetrated. Detail all cores. Report all drill stem tests giving interval tested, time tool open and closed, flowing and shut-in pressures, whether shut-in pressure reached static level, hydrostatic pressures, bottom hole temperature, fluid recovery, and flow rates if gas to surface during test. Attach extra sheet if more space is needed. Attach copy of log.

Drill Stem Tests Taken (Attach Additional Sheets.)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input checked="" type="checkbox"/> Log	Formation (Top), Depth and Datum	<input type="checkbox"/> Sample
Samples Sent to Geological Survey	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Name	Top	Datum
Cores Taken	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Anhydrtie	2184	+474
Electric Log Run (Submit Copy.)	<input type="checkbox"/> Yes <input type="checkbox"/> No	Topeka	3315	-658
List All E.Logs Run: Neutron/Density Porosity Dual Induction R A Gard		Heebned	3481	-823
		Toronto	3518	-860
		LKC	3526	-869
		BKC	3724	-1066

CASING RECORD <input checked="" type="checkbox"/> New <input type="checkbox"/> Used							
Report all strings set-conductor, surface, intermediate, production, etc.							
Purpose of String	Size Hole Drilled	Size Casing Set (In O.D.)	Weight Lbs./Ft.	Setting Depth	Type of Cement	# Sacks Used	Type and Percent Additives
Surface	12 1/4	8 5/8	20	263	Halliburton Mid Con 2	120	3% CC 1/4 lb FL

ADDITIONAL CEMENTING/SQUEEZE RECORD				
Purpose:	Depth Top Bottom	Type of Cement	#Sacks Used	Type and Percent Additives
<input type="checkbox"/> Perforate <input type="checkbox"/> Protect Casing <input type="checkbox"/> Plug Back TD <input type="checkbox"/> Plug Off Zone	Suf 2200'	60/40 Poz	190	6% Gel 1/4lb Flo Seal

Shots Per Foot	PERFORATION RECORD - Bridge Plugs Set/Type Specify Footage of Each Interval Perforated		Acid, Fracture, Shot, Cement Squeeze Record (Amount and Kind of Material Used)		Depth

TUBING RECORD		Size	Set At	Packer At	Liner Run <input type="checkbox"/> Yes <input type="checkbox"/> No
Date of First, Resumed Production, SWD or Inj. <u>D+A</u>			Producing Method <input type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (Explain)		
Estimated Production Per 24 Hours ²	Oil Bbls. <u>N-A</u>	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity

Disposition of Gas: Vented Sold Used on Lease (If vented, submit ACO-18.)

METHOD OF COMPLETION: Open Hole Perf. Dually Comp. Commingled Other (Specify) _____

Production Interval: _____

ALLIED CEMENTING CO., INC.

P.O. BOX 31
 RUSSELL, KS 67665
 PH (785) 483-3887
 FAX (785) 483-5566

 * I N V O I C E *

Invoice Number: 077300

Invoice Date: 03/31/98

Sold Robuck Petroleum Co.
 To: 1801 Broadway, #750
 Denver, CO
 80202

ORIGINAL

Cust I.D.....: Robu
 P.O. Number...: Bailey #1-11
 P.O. Date.....: 03/31/98

Due Date.: 04/30/98
 Terms....: Net 30

Item I.D./Desc.	Qty	Used	Unit	Price	Net	TX
Common		114.00	SKS	7.5500	860.70	E
Pozmix		76.00	SKS	3.2500	247.00	E
Gel		10.00	SKS	9.5000	95.00	E
FloSeal		48.00	LBS	1.1500	55.20	E
Handling		190.00	SKS	1.0500	199.50	E
Mileage (78)		78.00	MILE	7.6000	592.80	E
190 sks @\$.04 per sk per mi						
Plug		1.00	JOB	580.0000	580.00	E
Mileage pmp trk		78.00	MILE	2.8500	222.30	E
Dry hole plug		1.00	EACH	23.0000	23.00	E

All Prices Are Net, Payable 30 Days Following Subtotal: 2875.50
 Date of Invoice. 1 1/2% Charged Thereafter. Tax.....: 0.00
 If Account CURRENT take Discount of \$ 431.32 Payments: 0.00
 ONLY if paid within 30 days from Invoice Date Total....: 2875.50

RECEIVED
 KANSAS CORP COM
 1998 JUL 29 12:22

ALLIED CEMENTING CO., INC.

8649

Federal Tax I.D.# XXXXXXXXXX

REMIT TO P.O. BOX 31
RUSSELL, KANSAS 67665

ORIGINAL

SERVICE POINT:

Oakley

DATE <u>3-26-98</u>	SEC <u>11</u>	TWP. <u>23</u>	RANGE <u>27w</u>	CALLED OUT	ON LOCATION <u>1:00 PM</u>	JOB START <u>3:00 PM</u>	JOB FINISH <u>5:30 PM</u>
LEASE <u>Bailey</u>	WELL # <u>1-11</u>	LOCATION <u>Oberlin 12E 4N 1/2 W 4N</u>			COUNTY <u>Decatur</u>	STATE <u>KS</u>	
OLD OR <u>NEW</u> (Circle one)							

CONTRACTOR Murfin Drlg Rig 3

TYPE OF JOB P/A

HOLE SIZE 7 7/8 T.D. 37.50'

CASING SIZE _____ DEPTH _____

TUBING SIZE _____ DEPTH _____

DRILL PIPE _____ DEPTH 2200'

TOOL _____ DEPTH _____

PRES. MAX _____ MINIMUM _____

MEAS. LINE _____ SHOE JOINT _____

CEMENT LEFT IN CSG. _____

PERFS. _____

DISPLACEMENT _____

OWNER Same

CEMENT

AMOUNT ORDERED 190 sks 60/40 po2
670 Grel 1/4" Flo Seal

COMMON	<u>114</u>	SKS	@	<u>7.55</u>	<u>860.70</u>
POZMIX	<u>76</u>	SKS	@	<u>3.25</u>	<u>247.00</u>
GEL	<u>10</u>	SKS	@	<u>9.50</u>	<u>95.00</u>
CHLORIDE			@		
<u>Flo-Seal</u>	<u>48#</u>		@	<u>1.15</u>	<u>55.20</u>
			@		
			@		
			@		
			@		
HANDLING	<u>190</u>	SKS	@	<u>1.05</u>	<u>199.50</u>
MILEAGE	<u>40</u>	per SK/mile			<u>592.80</u>

TOTAL 2,050.20

EQUIPMENT

PUMP TRUCK CEMENTER Dean

191 HELPER Jeff

BULK TRUCK

212 DRIVER Lohnie

BULK TRUCK

_____ DRIVER _____

REMARKS:

1st Plug at 2200' w/ 25sks

2nd Plug at 1400' w/ 10sks

3rd Plug at 300' w/ 40sks

4th Plug at 40' w/ 10sks

15 sks in Rgt Hole

Thank you

SERVICE

DEPTH OF JOB	<u>2200'</u>		
PUMP TRUCK CHARGE			<u>580.00</u>
EXTRA FOOTAGE		@	<u>222.30</u>
MILEAGE	<u>78 miles</u>	@	<u>3.25</u>
PLUG	<u>Dry Hole</u>	@	<u>2.85</u>
		@	
		@	

TOTAL 856.50
825.30

CHARGE TO: Robuck Petroleum company

STREET 1801 Broadway Suite 750

CITY Denver STATE CO ZIP 80202

FLOAT EQUIPMENT

	@	
	@	
	@	
	@	
	@	

TOTAL _____

To Allied Cementing Co., Inc.
You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or contractor to do work as is listed. The above work was done to satisfaction and supervision of owner agent or contractor. I have read & understand the "TERMS AND CONDITIONS" listed on the reverse side.

TAX _____

TOTAL CHARGE _____

DISCOUNT _____ IF PAID IN 30 DAYS

SIGNATURE [Signature]

Brett D. Robuck
PRINTED NAME



HALLIBURTON
HALLIBURTON ENERGY SERVICES
 HAL-1906-P

CUSTOMER COPY
 TICKET

No. 196617 - 3

CHARGE TO: Robuck Petroleum Co
 ADDRESS: 1801 Broadway, Suite 250
 CITY, STATE, ZIP CODE: Denver Colorado 80202

WELL/PROJECT NO.: 1-11
 LEASE: Bailey
 COUNTY/PARISH: DeCATUR
 STATE: KS

TICKET TYPE: SERVICE JOB? YES NO
 SALES
 WELL TYPE: oil (01)
 WELL CATEGORY: Develop
 JOB PURPOSE: Surface (010)

CONTRACTOR: Martin Arls
 RIG NAME/NO: Location
 SHIPPED VIA: KS

DATE: 3-21-98
 ORDER NO: Summa

WELL LOCATION: 6w 4N NCC reader
 WELL PERMIT NO: 035-209070000

PAGE 1 OF 2

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING		DESCRIPTION	QTY.	U/M	QTY.	U/M	UNIT PRICE	AMOUNT
		LOC	ACCT							
000-117		1		MILEAGE	160	miles	1	KA	3.65	584-
001-016		1		Pump chgs	140	ft	26	ft	1636-	1636-
030-5503		1		TEP waader plus 8%	1	EA	8	EA	95-	95-
ORIGINAL										

LEGAL TERMS: Customer hereby acknowledges and agrees to the terms and conditions on the reverse side hereof which include, but are not limited to, PAYMENT, RELEASE, INDEMNITY, and LIMITED WARRANTY provisions.

MUST BE SIGNED BY CUSTOMER OR CUSTOMER'S AGENT PRIOR TO START OF WORK OR DELIVERY OF GOODS

DATE SIGNED: 3-21-98 TIME SIGNED: 1:54
 SIGNATURE: [Signature]

SUB SURFACE SAFETY VALVE WAS:
 PULLED & RETURN DEPTH
 PULLED RUN

TYPE LOCK: 660298

BEAN SIZE: 660298

SPACERS: by check = 2642

CASING PRESSURE: 660298

TUBING SIZE: 660298 TUBING PRESSURE: 660298 WELL DEPTH: 660298

TREE CONNECTION: 660298

OUR EQUIPMENT PERFORMED WITHOUT BREAKDOWN?
 WE UNDERSTOOD AND MET YOUR NEEDS?
 OUR SERVICE WAS PERFORMED WITHOUT DELAY? WE OPERATED THE EQUIPMENT AND PERFORMED JOB CALCULATIONS SATISFACTORILY?
 ARE YOU SATISFIED WITH OUR SERVICE?
 YES NO

AGREE UN-DECIDED DIS-AGREE

PAGE TOTAL: 272629

FROM CONTINUATION PAGE(S): 1

SUB-TOTAL APPLICABLE TAXES WILL BE ADDED ON INVOICE

CUSTOMER OR CUSTOMER'S AGENT (PLEASE PRINT): Acet Robuck
 CUSTOMER OR CUSTOMER'S AGENT (SIGNATURE): [Signature]
 HALLIBURTON OPERATOR/ENGINEER: F. Henry
 EMP # 71010
 HALLIBURTON APPROVAL: [Signature]



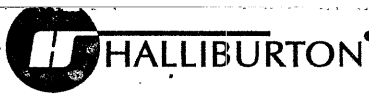
TICKET CONTINUATION

TICKET No. 196617

HALLIBURTON ENERGY SERVICES		CUSTOMER		WELL		PAGE	
TRUCK# (S)	3258	ROBUCK PETROLEUM CO	BAILEY #1-11	2:46 PM	3/21/98	UNIT	AMOUNT
PRICE REFERENCE	ACCOUNTING LOC ACCT DF	DESCRIPTION	QTY	U/M	QTY	U/M	PRICE
504-280		Mid Con II	120	sk			\$14.17
509-406		Calcium Chloride	3	sk			\$46.90
507-210		Flocele	30	lb			\$2.09
ORIGINAL							
500-207		SERVICE CHARGE	134	CUBIC FEET			1.66
500-306		MILEAGE CHARGE	80	LOADED MILES			1.25
		TOTAL WEIGHT	12,001				\$600.05
		TON MILES	480,040				\$222.44
		CONTINUATION TOTAL					\$ 2,726.29

RECEIVED
KANSAS CORP.
1998 MAR 29 9 52 Z

No. B 660298



JOB SUMMARY 4239-1

REGION North America	NWA/COUNTRY midcent, USA	TICKET # 196617	TICKET DATE 3-21-98
MBU ID / EMP # HIT0502 71010	EMPLOYEE NAME TERRY HENRY	BDA# STATE/ KANSAS	COUNTY DECATUR
LOCATION HOVS	COMPANY ROBUCK PETROLEUM CO	PSL DEPARTMENT CEMENT	CUSTOMER REP / PHONE # BRETT ROBUCK
TICKET AMOUNT 5035.09	WELL TYPE OIL (01)	API / UWI # 039-209070000	JOB PURPOSE CODE SURFACE # 2 (010)
WELL LOCATION Broadbr 6W4N	DEPARTMENT CEMENT	LEASE / WELL # Bailey 1-11/25/27W	

HES EMP NAME/EMP#/(EXPOSURE HOURS) HRS	HES EMP NAME/EMP#/(EXPOSURE HOURS) HRS	HES EMP NAME/EMP#/(EXPOSURE HOURS) HRS	HES EMP NAME/EMP#/(EXPOSURE HOURS) HRS
T. Henry 71010	M. Karlin 91511		

ORIGINAL

HES UNIT NUMBERS	R/T MILES	HES UNIT NUMBERS	R/T MILES	HES UNIT NUMBERS	R/T MILES	HES UNIT NUMBERS	R/T MILES
41326	2.45	53557-3258	2.45				

Form Name _____ Type: _____
 Form Thickness _____ From _____ To _____
 Packer Type _____ Set At _____
 Bottom Hole Temp _____ Pressure _____
 Misc. Data _____ Total Depth _____

DATE TIME	CALLED OUT	ON LOCATION	JOB STARTED	JOB COMPLETED
	3-21-98 14:30	3-21-98 18:05	3-21-98 19:10	3-21-98 20:30

TOOLS AND ACCESSORIES

TYPE AND SIZE	QTY	MAKE
Float Collar		
Float Shoe		
Guide Shoe		
Centralizers		
Bottom Plug	4	
Top Plug	8/14 Hawk	wooden
Head		
Packer		
Other		

WELL DATA

NEW/USED	WEIGHT	SIZE	FROM	TO	MAX ALLOW
Casing N	20	8.75	0	263	
Liner					
Liner					
Tbg/D.P.					
Tbg/D.P.					
Open Hole					SHOTS/FT.
Perforations					
Perforations					
Perforations					

MATERIALS

Treat Fluid _____	Density _____	Lb/Gal _____
Disp. Fluid _____	Density _____	Lb/Gal _____
Prop. Type _____	Size _____	Lb. _____
Acid Type _____	Gal. _____	% _____
Surfactant _____	Gal. _____	In _____
NE Agent _____	Gal. _____	In _____
Fluid Loss _____	Gal/Lb _____	In _____
Gelling Agent _____	Gal/Lb _____	In _____
Fric. Red. _____	Gal/Lb _____	In _____
Breaker _____	Gal/Lb _____	In _____
Blocking Agent _____	Gal/Lb _____	Qty. _____
Other _____		
Other _____		
Other _____		
Other _____		

HOURS ON LOCATION		OPERATING HOURS		DESCRIPTION OF JOB
DATE	HOURS	DATE	HOURS	
TOTAL		TOTAL		

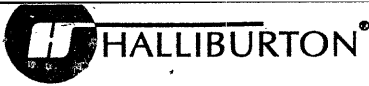
CEMENT DATA

STAGE	SACKS	CEMENT	BULK/SKS	ADDITIVES	YIELD	LBS/GAL
1	120	Midcons	B	3% CC 1/4 1/2 FLOCCULE	655K 355K	2.68 1.60 11.7 14.

Circulating _____	Displacement _____	Preflush: Gal - BBI _____	Type _____
Breakdown _____	Maximum _____	Load & Bkdn: Gal - BBI _____	Pad: BBI - Gal _____
Average _____	Frac Gradient _____	Treatment Gal - BBI _____	Disp: BBI - Gal 16
Shut In: Instant _____	5 Min _____ 15 Min _____	Cement Slurr Gal - BBI _____	
		Total Volume Gal - BBI _____	

Frac Ring #1 _____ Frac Ring #2 _____ Frac Ring #3 _____ Frac Ring #4 _____
 CUSTOMER'S REPRESENTATIVE SIGNATURE

THE INFORMATION STATED HEREIN IS CORRECT



JOB LOG 4239-5

TICKET # 196117 TICKET DATE 3-21-98

REGION North America	NWA/COUNTRY Midcon USA	BD/STATE Kansas	COUNTY Decatur
MBU ID / EMP # H10502 71010	EMPLOYEE NAME T. Henry	PSL DEPARTMENT Cement	
LOCATION Hays	COMPANY Robuck Petroleum Co	CUSTOMER REP / PHONE Brett Robuck	
TICKET AMOUNT 5035.29	WELL TYPE OIL (OIL)	API / UWI # 039-209070000	JOB PURPOSE CODE Surface (010)
WELL LOCATION	DEPARTMENT Cement		
LEASE / WELL # Bailey 1-11	SEC / TWP / RNG 11/25/27W		

HES EMP NAME/EMP#/(EXPOSURE HOURS) HRS	HES EMP NAME/EMP#/(EXPOSURE HOURS) HRS	HES EMP NAME/EMP#/(EXPOSURE HOURS) HRS	HES EMP NAME/EMP#/(EXPOSURE HOURS) HRS
T. Henry 21010			
24100 Kevin G. 154			
JHG			

ORIGINAL

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL)(GAL)	PUMPS		PRESS. (psi)		JOB DESCRIPTION / REMARKS
				T	C	Tbg	Csg	
	1430							Called out
	1805							on location
								Rig circulating Hole 263 FT
								Hold safety meeting
								Set up truck
	1855							Set plug on bottom
								Hook up from to circulate hole
								Hook up to truck to mix cement
	1910							Start mixing cement
	1915	5	25				200	655K wt 11.2 ppg
	1916	5	29				200	Start mix 109 555K wt 14 ppg
	1920	5	35				200	Shut down
								Release plug
	1925	4	0					Start Dig.
	1930		16				300	Shut down
	1930							plug down
								left 20ft cement in pipe
								circulated 10 Bbls slurry cement to pit.
								Wash up
								Good circulation of cement to pit
								Rack up
								Job complete
								Thank you

CPAC
 RECEIVED
 SAS ODP COMM
 APR 21 2000 10:23

ORIGINAL

WELL NAME:
COMPANY:
LOCATION:

Bailey 1-11
Robuck Petroleum Company
11-2S-27W
Decatur County, Kansas

DATE:

3/27/98

15-039-20907 00-00

TRILOBITE TESTING L.L.C.

OPERATOR : Robuck Petrol. Comp. DATE 3-25-98
 WELL NAME: Bailey 1-11 KB 2658.00 ft TICKET NO: 11222 DST #1
 LOCATION : 11-2S-27W CO Decatur KS GR 2653.00 ft FORMATION: L KC
 INTERVAL : 3538.00 To 3576.00 ft TD 3576.00 ft TEST TYPE: CONV.

RECORDER DATA

Mins		Field	1	2	3	4	TIME DATA-----
PF 30	Rec.	11058	11058	2346			PF Fr. 1130 to 1200 hr
SI 60	Range(Psi)	4500.0	4500.0	4995.0	0.0	0.0	IS Fr. 1200 to 1300 hr
SF 60	Clock(hrs)	12	12	alpin			SF Fr. 1300 to 1400 hr
FS 60	Depth(ft)	3571.0	3571.0	3539.0	0.0	0.0	FS Fr. 1400 to 1500 hr

	Field	1	2	3	4	
A. Init Hydro	1713.0	1722.0	1721.0	0.0	0.0	T STARTED 0945 hr
B. First Flow	77.0	91.0	25.0	0.0	0.0	T ON BOTM 1126 hr
B1. Final Flow	66.0	75.0	37.0	0.0	0.0	T OPEN 1130 hr
C. In Shut-in	884.0	871.0	870.0	0.0	0.0	T PULLED 1500 hr
D. Init Flow	77.0	92.0	39.0	0.0	0.0	T OUT 1640 hr
E. Final Flow	66.0	75.0	52.0	0.0	0.0	
F. Fl Shut-in	816.0	796.0	825.0	0.0	0.0	TOOL DATA-----
G. Final Hydro	1690.0	1702.0	1667.0	0.0	0.0	Tool Wt. 4000.00 lbs
Inside/Outside	i	i	o			Wt Set On Packer 28000.00 lbs
						Wt Pulled Loose 75000.00 lbs
						Initial Str Wt 60000.00 lbs
						Unseated Str Wt 60000.00 lbs
						Bot Choke 0.75 in
						Hole Size 7.88 in
						D Col. ID 2.25 in
						D. Pipe ID 3.50 in
						D.C. Length 479.00 ft
						D.P. Length 3052.00 ft
						H.W. I.D 3.50 in

RECOVERY

Tot Fluid 60.00 ft of 60.00 ft in DC and 0.00 ft in DP
 60.00 ft of Slightly water cut drilling mud
 0.00 ft of oil specs on top
 0.00 ft of 15% water 85% mud
 0.00 ft of
 0.00 ft of
 0.00 ft of
 0.00 ft of
 0.00 ft of
 0.00 ft of

SALINITY 21000.00 P.P.M. A.P.I. Gravity 0.00

BLOW DESCRIPTION

Initial Flow:
 1/4" at open slow build to a weak
 3/4"
 Initial Shut-in:
 No return
 Final Flow:
 Bubble to open tool no blow
 Final Shut-in:
 No return

SAMPLES:
 SENT TO:

MUD DATA-----
 Mud Type chem
 Weight 9.00 lb/c
 Vis. 48.00 S/L
 W.L. 6.45 in3
 F.C. 0.00 in
 Mud Drop N
 Amt. of fill 0.00 ft
 Btm. H. Temp. 100.00 F
 Hole Condition good
 % Porosity 0.00
 Packer Size 6.75 in
 No. of Packers 2
 Cushion Amt. 0.00
 Cushion Type
 Reversed Out N
 Tool Chased N
 Tester Shane McBride
 Co. Rep. Ron Nelson
 Contr. Murfin
 Rig # 3
 Unit #
 Pump T.

Test Successful: Y

*** TOOL DIAGRAM *** CONV.

WELL NAME: Bailey 1-11

LOCATION : 11-2S-27W CO Decatur KS

TICKET No. 11222 D.S.T. No. 1 DATE 3-25-98

TOTAL TOOL TO BOTTOM OF TOP PACKERS 27

INTERVAL TOOL

BOTTOM PACKERS AND ANCHOR 38

TOTAL TOOL 65

DRILL COLLAR ANCHOR IN INTERVAL

D.C. ANCHOR STND.Stands Single Total

D.P. ANCHOR STND.Stands Single Total

TOTAL ASSEMBLY 65

D.C. ABOVE TOOLS.Stands8 Single Total 479

D.P. ABOVE TOOLS.Stands Single Total 3052

TOTAL DRILL COLLARS DRILL PIPE & TOOLS .. 3596

TOTAL DEPTH 3576

TOTAL DRILL PIPE ABOVE K.B. 20

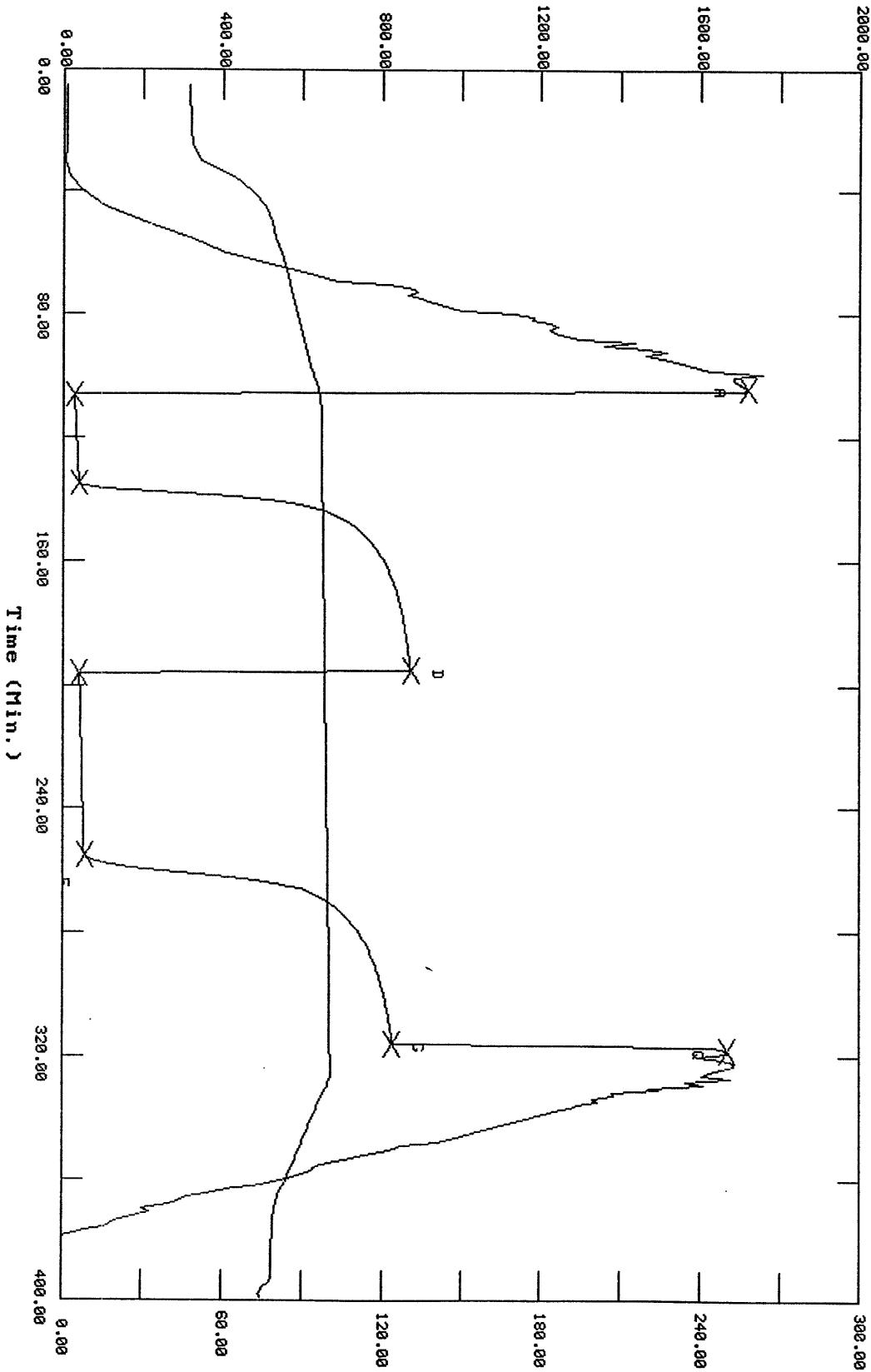
REMARKS:

P.O. SUB	
C.O. SUB 1'	3510
S.I. TOOL 5'	3516
HMV 5'	3521
JARS 5'	3526
SAFETY JOINT 2'	3528
PACKER top	3533
PACKER bottom	3538
DEPTH 3538	
STUBB 1'	3539
ANCHOR alpine recorder	3539
32' perf	3571
ak-1 recorder	3573
T.C. DEPTH	
BULLNOSE 5' bullplug	3576
T.D.	3576

TEST HISTORY
 11222 DST #1 Bailey # 1-11 Robuck Petrol. Comp.

Flag Points
 t(Min.) P(PSig)

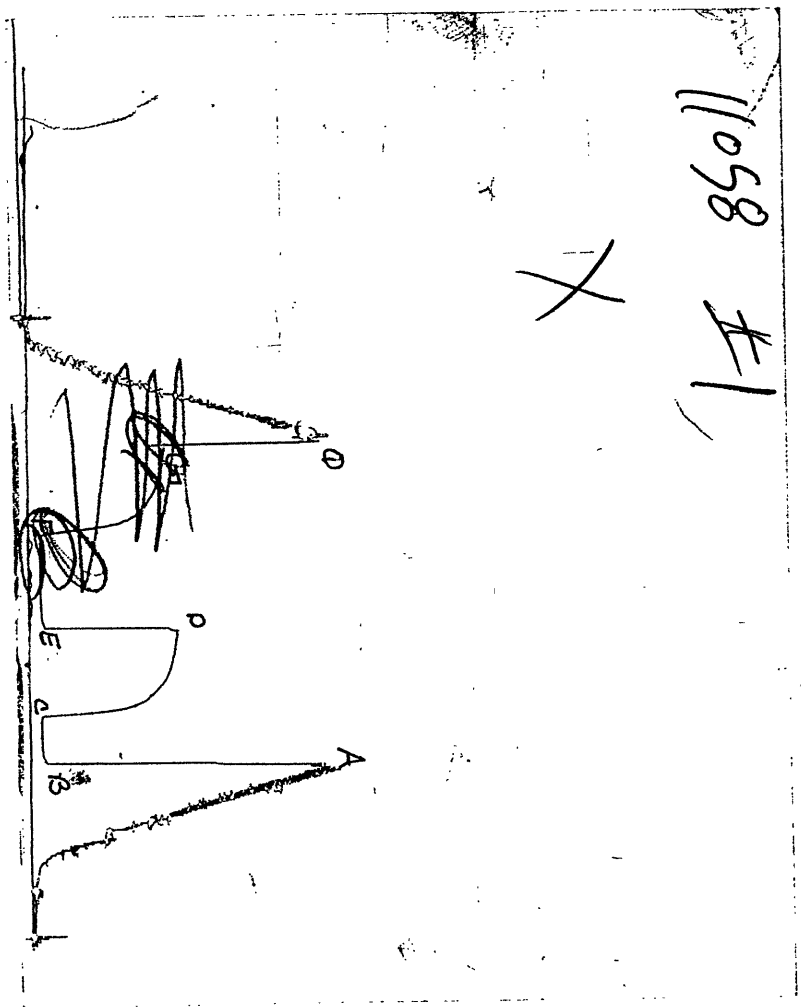
A:	0.00	1721.65
B:	0.00	25.56
C:	29.00	37.68
D:	60.00	870.03
E:	0.00	39.08
F:	59.00	52.62
G:	61.00	825.35
Q:	0.00	1867.03



Temperature (DEG F)

Pressure (PSig)

CHART PAGE



This is a photocopy of the actual AK-1 recorder chart

ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING
 TEST: 11222 DST #1 Bailey # 1-11 Robuck Petrol. Comp.
 DATE: 03/25/98 TIME: 08:31:24

	Time	Pressure PSig	delta P PSig	Temp. DEG F	(T+dT)/dT	P ² /10 ⁶
***** Initial Hydro.	104.00	1721.6	0.0	95.85		
***** Start Flow 1	0.00	25.6	0.0	96.37		
	1.00	26.0	0.5	96.55		
	2.00	26.5	1	96.67		
	3.00	27.1	1.5	96.78		
	4.00	27.8	2.2	96.85		
	5.00	28.2	2.6	96.90		
	6.00	28.6	3.0	96.94		
	7.00	29.1	3.6	96.98		
	8.00	29.6	4.0	97.00		
	9.00	30.0	4.4	97.03		
	10.00	30.6	5.0	97.04		
	11.00	30.7	5.2	97.06		
	12.00	31.1	5.6	97.07		
	13.00	31.8	6.2	97.09		
	14.00	31.9	6.4	97.10		
	15.00	32.3	6.7	97.10		
	16.00	33.4	7.9	97.11		
	17.00	33.4	7.9	97.12		
	18.00	33.5	8.0	97.13		
	19.00	33.9	8.4	97.14		
	20.00	34.3	8.7	97.15		
	21.00	35.0	9.4	97.16		
	22.00	34.9	9.4	97.17		
	23.00	35.3	9.7	97.18		
	24.00	35.7	10.1	97.19		
	25.00	36.4	10.8	97.20		
	26.00	36.5	11.0	97.21		
	27.00	36.9	11.3	97.22		
	28.00	37.3	11.7	97.23		
***** End Flow 1	29.00	37.7	12.1	97.25		
***** Start Shutin 1	0.00	37.7	0.0	97.25	0.0000	0.001
	1.00	51.7	14.0	97.26	30.0000	0.003
	2.00	103.5	65.9	97.28	15.5000	0.011
	3.00	227.1	189.4	97.29	10.6667	0.052
	4.00	369.2	331.6	97.31	8.2500	0.136
	5.00	476.5	438.8	97.34	6.8000	0.227
	6.00	547.3	509.7	97.37	5.8333	0.300
	7.00	595.4	557.7	97.40	5.1429	0.354
	8.00	629.1	591.4	97.43	4.6250	0.396
	9.00	655.0	617.3	97.47	4.2222	0.429
	10.00	675.2	637.6	97.48	3.9000	0.456
	11.00	692.0	654.4	97.51	3.6364	0.479
	12.00	706.6	669.0	97.54	3.4167	0.499
	13.00	719.4	681.7	97.56	3.2308	0.518
	14.00	730.4	692.8	97.59	3.0714	0.534
	15.00	740.2	702.6	97.61	2.9333	0.548
	16.00	749.1	711.4	97.63	2.8125	0.561
	17.00	757.2	719.5	97.65	2.7059	0.573
	18.00	764.5	726.8	97.68	2.6111	0.584
	19.00	771.2	733.5	97.69	2.5263	0.595

ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: 11222 DST #1 Bailey # 1-11 Robuck Petrol. Comp.

DATE: 03/25/98 TIME: 08:31:24

Time	Pressure PSig	delta P PSig	Temp. DEG F	(T+dT)/dT	P ² /10 ⁶
20.00	777.4	739.7	97.70	2.4500	0.604
21.00	783.1	745.4	97.73	2.3810	0.613
22.00	788.3	750.6	97.74	2.3182	0.621
23.00	793.3	755.6	97.76	2.2609	0.629
24.00	797.9	760.2	97.78	2.2083	0.637
25.00	802.3	764.6	97.80	2.1600	0.644
26.00	806.3	768.6	97.81	2.1154	0.650
27.00	810.1	772.5	97.83	2.0741	0.656
28.00	813.7	776.0	97.84	2.0357	0.662
29.00	817.1	779.4	97.86	2.0000	0.668
30.00	820.3	782.6	97.87	1.9667	0.673
31.00	823.2	785.5	97.89	1.9355	0.678
32.00	826.1	788.5	97.90	1.9062	0.683
33.00	828.5	790.8	97.92	1.8788	0.686
34.00	831.2	793.5	97.94	1.8529	0.691
35.00	833.8	796.1	97.95	1.8286	0.695
36.00	836.1	798.4	97.96	1.8056	0.699
37.00	838.3	800.6	97.98	1.7838	0.703
38.00	840.3	802.7	97.99	1.7632	0.706
39.00	842.3	804.7	98.01	1.7436	0.710
40.00	844.3	806.6	98.02	1.7250	0.713
41.00	846.2	808.5	98.04	1.7073	0.716
42.00	847.9	810.2	98.05	1.6905	0.719
43.00	849.5	811.9	98.07	1.6744	0.722
44.00	851.2	813.5	98.08	1.6591	0.724
45.00	852.7	815.0	98.09	1.6444	0.727
46.00	854.2	816.6	98.11	1.6304	0.730
47.00	855.7	818.0	98.12	1.6170	0.732
48.00	857.0	819.3	98.13	1.6042	0.734
49.00	858.3	820.7	98.15	1.5918	0.737
50.00	859.6	821.9	98.16	1.5800	0.739
51.00	860.8	823.1	98.18	1.5686	0.741
52.00	862.0	824.3	98.19	1.5577	0.743
53.00	863.1	825.4	98.20	1.5472	0.745
54.00	864.2	826.5	98.22	1.5370	0.747
55.00	865.2	827.5	98.25	1.5273	0.749
56.00	866.2	828.5	98.25	1.5179	0.750
57.00	867.2	829.6	98.27	1.5088	0.752
58.00	868.1	830.5	98.28	1.5000	0.754
59.00	869.0	831.4	98.29	1.4915	0.755
60.00	870.0	832.4	98.31	1.4833	0.757
***** End Shut-in 1					
***** Start Flow 2	0.00	39.1	0.0	98.31	
	1.00	39.4	0.3	98.31	
	2.00	39.8	0.7	98.30	
	3.00	40.1	1.0	98.31	
	4.00	40.3	1.2	98.31	
	5.00	40.8	1.7	98.32	
	6.00	41.0	1.9	98.34	
	7.00	41.2	2.1	98.36	
	8.00	41.5	2.4	98.38	
	9.00	41.9	2.8	98.40	

ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: 11222 DST #1 Bailey # 1-11 Robuck Petrol. Comp.

DATE: 03/25/98 TIME: 08:31:24

Time	Pressure PSig	delta P PSig	Temp. DEG F	(T+dT)/dT	P ² /10 ⁶
10.00	41.9	2.8	98.43		
11.00	41.9	2.8	98.46		
12.00	42.0	2.9	98.48		
13.00	42.3	3.2	98.50		
14.00	42.6	3.5	98.53		
15.00	42.8	3.7	98.55		
16.00	43.1	4.0	98.57		
17.00	43.3	4.3	98.60		
18.00	43.5	4.4	98.62		
19.00	43.8	4.7	98.64		
20.00	44.0	4.9	98.65		
21.00	44.2	5.1	98.67		
22.00	44.6	5.5	98.69		
23.00	44.6	5.5	98.72		
24.00	44.8	5.7	98.73		
25.00	45.0	5.9	98.74		
26.00	45.3	6.2	98.76		
27.00	45.5	6.4	98.78		
28.00	45.7	6.7	98.80		
29.00	45.8	6.8	98.82		
30.00	46.0	6.9	98.83		
31.00	46.1	7.1	98.86		
32.00	46.3	7.3	98.87		
33.00	46.7	7.7	98.89		
34.00	46.9	7.8	98.91		
35.00	47.1	8.0	98.92		
36.00	47.3	8.3	98.94		
37.00	47.7	8.6	98.96		
38.00	47.7	8.7	98.98		
39.00	48.0	8.9	98.99		
40.00	48.1	9.0	99.01		
41.00	48.3	9.2	99.03		
42.00	48.4	9.4	99.05		
43.00	48.8	9.7	99.06		
44.00	48.7	9.7	99.08		
45.00	49.1	10.1	99.11		
46.00	49.4	10.3	99.12		
47.00	49.4	10.3	99.13		
48.00	49.6	10.5	99.16		
49.00	49.9	10.8	99.17		
50.00	50.2	11.1	99.19		
51.00	50.5	11.5	99.21		
52.00	50.6	11.5	99.22		
53.00	50.9	11.8	99.23		
54.00	51.3	12.2	99.25		
55.00	51.6	12.5	99.27		
56.00	51.8	12.7	99.29		
57.00	52.0	12.9	99.30		
58.00	52.3	13.2	99.32		
59.00	52.6	13.5	99.34		
***** End Flow 2					
***** Start Shutin 2	0.00	52.6	0.0	99.34	0.0000 0.003

ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: 11222 DST #1 Bailey # 1-11 Robuck Petrol. Comp.
 DATE: 03/25/98 TIME: 08:31:24

Time	Pressure PSIg	delta P PSIg	Temp. DEG F	(T+dT)/dT	P ² /10 ⁶
1.00	62.5	9.9	99.35	89.0000	0.004
2.00	83.4	30.8	99.37	45.0000	0.007
3.00	116.6	64.0	99.38	30.3333	0.014
4.00	170.1	117.5	99.40	23.0000	0.029
5.00	248.5	195.9	99.42	18.6000	0.062
6.00	336.2	283.6	99.44	15.6667	0.113
7.00	417.7	365.1	99.47	13.5714	0.174
8.00	482.9	430.3	99.49	12.0000	0.233
9.00	531.2	478.6	99.52	10.7778	0.282
10.00	566.8	514.2	99.54	9.8000	0.321
11.00	594.1	541.5	99.56	9.0000	0.353
12.00	615.5	562.9	99.59	8.3333	0.379
13.00	633.0	580.4	99.61	7.7692	0.401
14.00	647.7	595.1	99.63	7.2857	0.419
15.00	660.4	607.8	99.64	6.8667	0.436
16.00	671.6	619.0	99.67	6.5000	0.451
17.00	681.7	629.1	99.68	6.1765	0.465
18.00	690.7	638.1	99.71	5.8889	0.477
19.00	699.0	646.4	99.72	5.6316	0.489
20.00	706.7	654.1	99.74	5.4000	0.499
21.00	714.0	661.3	99.75	5.1905	0.510
22.00	720.8	668.2	99.77	5.0000	0.520
23.00	727.4	674.8	99.78	4.8261	0.529
24.00	733.5	680.9	99.79	4.6667	0.538
25.00	739.1	686.5	99.81	4.5200	0.546
26.00	744.3	691.6	99.82	4.3846	0.554
27.00	749.0	696.4	99.83	4.2593	0.561
28.00	753.6	701.0	99.84	4.1429	0.568
29.00	757.8	705.2	99.86	4.0345	0.574
30.00	761.8	709.2	99.87	3.9333	0.580
31.00	765.5	712.8	99.88	3.8387	0.586
32.00	769.0	716.4	99.89	3.7500	0.591
33.00	772.4	719.8	99.91	3.6667	0.597
34.00	775.6	723.0	99.92	3.5882	0.602
35.00	778.7	726.0	99.91	3.5143	0.606
36.00	781.6	729.0	99.93	3.4444	0.611
37.00	784.3	731.7	99.94	3.3784	0.615
38.00	786.9	734.3	99.96	3.3158	0.619
39.00	789.5	736.9	99.97	3.2564	0.623
40.00	791.8	739.2	99.98	3.2000	0.627
41.00	794.1	741.5	99.99	3.1463	0.631
42.00	796.3	743.7	100.00	3.0952	0.634
43.00	798.5	745.9	100.01	3.0465	0.638
44.00	800.4	747.8	100.02	3.0000	0.641
45.00	802.3	749.7	100.04	2.9556	0.644
46.00	804.2	751.6	100.04	2.9130	0.647
47.00	806.1	753.5	100.06	2.8723	0.650
48.00	807.8	755.2	100.07	2.8333	0.653
49.00	809.3	756.7	100.07	2.7959	0.655
50.00	811.0	758.4	100.10	2.7600	0.658
51.00	812.5	759.9	100.10	2.7255	0.660

 ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: 11222 DST #1 Bailey # 1-11 Robuck Petrol. Comp.
 DATE: 03/25/98 TIME: 08:31:24

	Time	Pressure PSig	delta P PSig	Temp. DEG F	(T+dT)/dT	P ² /10 ⁶
	52.00	814.1	761.4	100.12	2.6923	0.663
	53.00	815.4	762.8	100.12	2.6604	0.665
	54.00	816.9	764.3	100.14	2.6296	0.667
	55.00	818.2	765.6	100.13	2.6000	0.669
	56.00	819.5	766.9	100.16	2.5714	0.672
	57.00	820.7	768.1	100.17	2.5439	0.674
	58.00	822.0	769.4	100.18	2.5172	0.676
	59.00	823.2	770.6	100.19	2.4915	0.678
	60.00	824.3	771.7	100.21	2.4667	0.680
***** End Shut-in 2	61.00	825.3	772.7	100.21	2.4426	0.681
***** Final Hydro.	318.00	1667.0	0.0	100.28		

TRILOBITE TESTING L.L.C.

P.O. Box 362 • Hays, Kansas 67601

Test Ticket

No 11222

Well Name & No. Barley # 1-11 Test No. 1 Date 3-25-98
Company Rebuck Petrol Comp. Zone Tested L-KC
Address 1001 Broadway Suite 750 Denver Colo. 80202 Elevation 2658' KB 2653' GL
Co. Rep / Geo. Low Nelson Cont. Murphy # 3 Est. Ft. of Pay Por. %
Location: Sec. 11 Twp. 2 Rge. 27 Co. Decatur State KS
No. of Copies None Distribution Sheet (Y, N) N Turnkey (Y, N) N Evaluation (Y, N)

Interval Tested 3538' 3576' Initial Str Wt./Lbs. 60,000 Unseated Str Wt./Lbs. 60,000
Anchor Length 38' Wt. Set Lbs. 28,000 Wt. Pulled Loose/Lbs. 75,000
Top Packer Depth 3533' Tool Weight 4,000
Bottom Packer Depth 3538' Hole Size — 7 7/8" Rubber Size — 6 3/4"
Total Depth 3576' Wt. Pipe Run Drill Collar Run 479'
Mud Wt. 9.0 LCM Tr Vis. 48 WL 6.4 Drill Pipe Size 4 1/2 X H Ft. Run 3052'
Blow Description 1/4" in @ open slow build to a weak 3/4" in.

ISE: No return
FE: Bubble to open tool - No blow
FSI: No return.

Recovery — Total Feet	GIP	Ft. in DC	Ft. in DP	%gas	%oil	%water	%mud
Rec. <u>60'</u>		<u>60'</u>				<u>15</u>	<u>85</u>
Rec. <u> </u>							
Rec. <u> </u>							
Rec. <u> </u>							
Rec. <u> </u>							

BHT 100° °F Gravity °API D@ °F Corrected Gravity °API
RW 1.28 @ 77 °F Chlorides 21,000 ppm Recovery Chlorides 1,000 ppm System

(A) Initial Hydrostatic Mud	PSI	Recorder No.	T-Started
<u>1713</u> <u>1721</u>		<u>2346</u>	<u>09:45 AM</u>
(B) First Initial Flow Pressure	PSI	(depth)	T-Open
<u>77</u> <u>25</u>		<u>3539</u>	<u>11:30 AM</u>
(C) First Final Flow Pressure	PSI	Recorder No.	T-Pulled
<u>66</u> <u>37</u>		<u>11058</u>	<u>15:00 P.M.</u>
(D) Initial Shut-in Pressure	PSI	(depth)	T-Out
<u>884</u> <u>870</u>		<u>3573</u>	<u>16:40 P.M.</u>
(E) Second Initial Flow Pressure	PSI	Recorder No.	
<u>77</u> <u>39</u>			
(F) Second Final Flow Pressure	PSI	(depth)	
<u>66</u> <u>52</u>			
(G) Final Shut-in Pressure	PSI	Initial Opening	Test
<u>816</u> <u>825</u>		<u>30</u>	<u>X</u>
(H) Final Hydrostatic Mud	PSI	Initial Shut-in	Jars
<u>1690</u> <u>1667</u>		<u>60</u>	<u>X</u>

Final Flow 60 Safety Joint X
Final Shut-in 60 Straddle
Circ. Sub X 4/c
Sampler
Extra Packer
Elect. Rec. X
Other
TOTAL PRICE \$

TRILOBITE TESTING L.L.C. SHALL NOT BE LIABLE FOR DAMAGE OF ANY KIND OF THE PROPERTY OR PERSONNEL OF THE ONE FOR WHOM A TEST IS MADE, OR FOR ANY LOSS SUFFERED OR SUSTAINED, DIRECTLY OR INDIRECTLY, THROUGH THE USE OF ITS EQUIPMENT, OR ITS STATEMENTS OR OPINION CONCERNING THE RESULTS OF ANY TEST. TOOLS LOST OR DAMAGED IN THE HOLE SHALL BE PAID FOR AT COST BY THE PARTY FOR WHOM THE TEST IS MADE.

Approved By [Signature]
Our Representative [Signature]